

24-Aug-73

Uncl (JPRS--59461) Utilizing the reactor
installations at the Novo-Voronezh Atomic Electric Power
Plant. GUCHINNIKOV, F.YA.; VORONIN, L.M.; GOLUBEV, L.I.
9 Jul 1973. Translated from pp 1-70 of Ekspluatatsiya
reaktornykh ustanovok Novo-Voronezhskoy AES, Atomizdat,
Moscow, 1972. 92p. NTIS.

18E nuclear power plants; 18I reactor engineering.
translations
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OF SOC. COUNTRIES PARTIC. IN UNI

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EDIN. SIS. EVM, SOTSIAL. STRAN, VK

PSIC-HI-23-0373-74

RUSSIAN

CSO: 8344/0293
12 August 1974

"Some Soviet Examples of Underwater Technology" by
V. Shabalin

Moscow, Ekspress-Informatsiya, Series 9, No 18, 1972
21 pages.

Please publish and include retros

Shabalín, V.

Some Soviet Examples of Underwater Technology.

20 pp

EXPRESS-INFORMATSIYA, Moscow, Series 9, No 18,
1972, pp 1-21.

JPRS 63114

Ivanova, N. I.
Design and Use of Underwater Facilities.
36 pp
EKSPRESS-INFORMATSIYA, Moscow, Series 9, No 4,
1973, pp 1-40.
JPRS 63061

RUSSIAN

SPRS 63065

CSO: 8344/0292
12 August 1974

"Questions of the Design and Use of Underwater
Facilities" by N.I. Ivanova and A.A. Ishkov 36 pp
Moscow, Ekspress-Informatsiya, Series 9, No 4, 1973
40 pages.

Please publish and include repros.

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Single words filed first

Haibe, A.

Organization and development of a modern distribution undertaking.

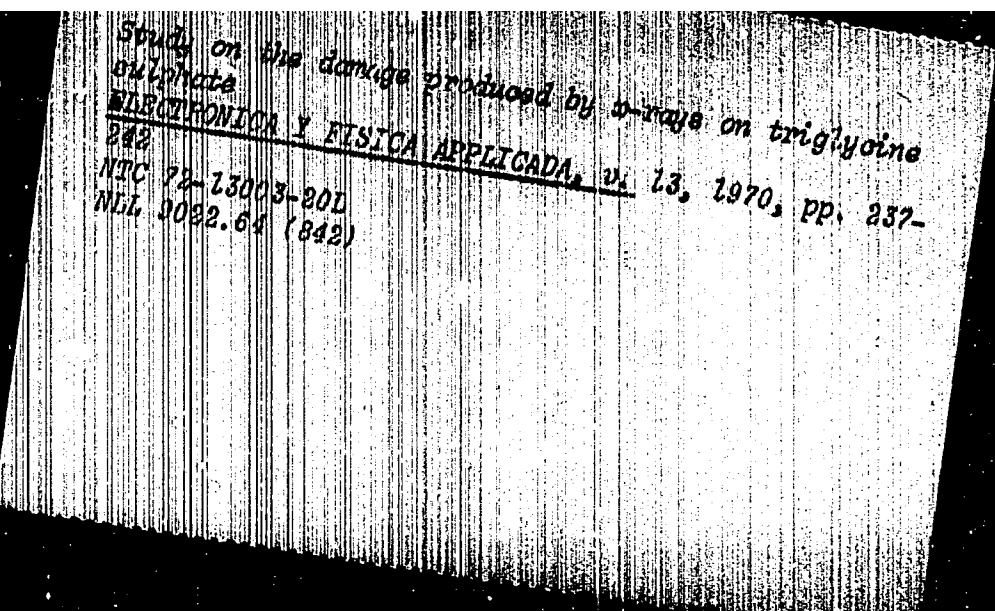
ELECTRICITE (UEEB), No 145, Dec 1970, pp 15-22

O. A. Trans 861

Progress in the Pulse Control of Direct
Current Traction Motors 6 pp
ELECTRIS, Vol 20, No 6, 1971, pp 223-225

FSTC-WT-23-2354-72

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES



New Electrical Products, Innovations
Described, 10 pp.
ELECTROTECHNICA, Bucharest, Jun 73, pp 250-
253.
JPRS 60361

Nov 73

Electrona dural batteries technical data. 21 pp.
ELECTRONA S. A. ACCUMULATORENFABRIK, 1971, pp. 1-12
AIR/FTD/HC-23-1723-72

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MUST BE REFERRED TO FTD. THE CONTENTS OF THIS DOCUMENT
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Unclass (UCRL-Trans--1313) 1-Jul-74
porous electrodes. CULER, J.; NONNENMACHER, W.
Translated by John Newman from Electrochim. Acta; 2:
268-286 (1970). 43p. Dep. NTIS \$5.25.

200L physics (solid-state); translations
MN-34 P NSA

Volk, O.

The common and the peculiar phenomena in the
inhibition of various processes of a metal
electrode (Nickel) I.
ELECTROCHIMICA ACTA, v. 4, p. 251-273, 1961.
NTC 73-10968-07D

Zehender, E.

The effect of separators on the antimony migration
in lead batteries.

ELECTROCHIMICA ACTA, v. 9, p. 55-62, 1964.

NTC 10901-07D

Bock, R.

The study of nickel hydroxide electrodes. Part 1.
Through nickel(2) hydroxide hydrate.

ELECTROCHIMICA ACTA, Vol. 11, 1966, pp 1079-1087

NTC 75-13884-10C

The role of sulphate ions during anodic dissolution and passivation of nickel
ELECTROCHEMICAL ACTA, 5, 16, 1971, pp. 763-778
NRC 72-18017-07D
NLL INC 726-1056

Chlorine Overvoltage on Graphite Electrodes During the
Electrolysis of Molten Chlorides, by P. Drossbach,
23 pp.

ELECTROCHIMICA ACTA, Vol 41, 1969, pp 89-100
NAVY/NISC 3436

June 73

Eugen Dimboiu
Experimental Installation to Improve the
Characteristic of Plane Linear Motors with
Mobile Fields
ELECTROTECHNICA, Vol 19, no 6, 1971,
pp 172-174
FSTC-HT-23-277-72

Opreacu, Teodosia

Technical, Scientific Conferences, 6 pp.
ELECTROTEHNICA, Bucharest, No 10, Oct 73,
pp 408-411.
JPRS 61187

Mar 74

Tanescu, Florin

Achievements of Electrical Engineering Industry

Cited, 7 pp.

ELECTROTEHNICA. Bucharest, No 12, Dec 73,

pp 1145-1152.

JPRS 61864

Jul 74.

10 pages

W. Sasaki et al.

Some Experiments Concerning the Impurity-Band
Conduction in Germanium.

ELECTROTECHNICAL LABORATORY, MAGATACHO, TOKYO,
June 17, 1960.

ACSI-K-30-14

ISPC-HF-23-1099-72

Aug 73

The Technical Applications of Low Temperatures
to Metals and Their Alloys, by J. J. de Jong
DUTCH, per, Electro-Techniek, Vol 38, 1960,
pp 355-361.
BISI 6004

Sci-Materials
Feb 69

369,649

DJUREN, H. VAN

//ELECTROTECHNIEK//

--/--/1966, VOOR, N-----

The Current Situation in the Electricity-Generating
Industry in Connection with the Campaign against
Air Pollution,

pp 459-465, ITC 74-20084-13B00

Elshout, A. J.

Physico-chemical aspects of fire-side deposits and
corrosion-part 2: The $\text{Na}_2\text{O}-\text{V}_2\text{O}_5(\text{V}_2\text{O}_4)-\text{SO}_3(\text{SO}_2)$
system

ELECTROTECHNIEK, Vol. 48, pp. 1313-1316 (10 Dec. 1970)
C. E. Trans 5676

VEHICLE ELECTRICAL EQUIPMENT. HANDBOOK

BORDVSKIY, YU. LANGUAGE-RU COUNTRY-UR

ELEKTROOBUZDOVANIYE AVTOBULEY. SPRAVOCHNIK

"TRANSPORT", MOSCOW, 1971, PP. 35-36, 46-74 (C
H 3) ONLY

FSTC-HT-23-1092-73

Agency: Nat. Bu. of Standards
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9419/2761
22 Jan. 1975

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foreign text used in diagrams & write in pencil on source

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Elektri stop go to next word
One word titles listed first

Bekturov, V. R.

The present state of planning and erection of large
experimental wind-power stations

ELEKTROSTROY, no 2, 1933, pp. 9-13

NIATA TT P 15,512

Sheffer, K. L.

Direct current generation with constant voltage for small
wind-power plants

ELEKTROTECHNIKA, vol. 61, 1940, pp. 14-16

RUSA ID T-15,347

Sheriff, R. I.

Lines of development of rural wind power plants

ELECTRICHESIVO, no. 5, May 1941, pp. 21-22

WASA TT F 15,513

Sektorov, V. R.

Operating conditions and types of wind-power
electric substations for rural areas

ELEKTROSTROY, no. 10, Oct. 1949, pp. 33-37

*RASA IT 15,517

СЕНТОНОВ, В. Р.

Utilization of Wind Power for Electrification
ELEKTRICHESTVO, vol. 3, 1953, pp. 11-16
MVA9A TT 8-15,307

Novikov, L. Z.

The Theory of Electrostatic Suspension of a
Sphere.

11 pp

ELEKTRICHESSTVO, Moscow, No 3, 1967, pp 63-68.

JPRS 59675

Stolov, I. I.

Choice of geometry of the D. C. Fractional H. P.
motor.

ELEKTRICHESTVO, n. 5, p. 50-52, 1968.

NTC 73-11057-09C

D. S. Varshavski

Condenser overload capacities for higher
(harmonic) frequencies

ELEKTRICHESTVO, No. 5, pp. 90-91 (1970)

C. E. Trans. 6194

KLEINSON, G. E.

//ELEMENTARY//

--/1977, V----, N0003,

The Application of Certain Concepts of the Physics
of Dielectrics to Amorphous Polymers,

PP 72-76, NTC 74-10595-20160

Efremov, I.S.

A thyristor pulse converter with common commu-
tator for D.C. rolling stock.

ELEKTRICHESIVO, n. 6, 1971, p. 1-7

NTC 72-11583-10B

Discharging of Inductive Power Accumulator for
Generating Short-Front Pulse, by V. N. Bol'shakov,

13 pp.

RUSSIAN, per, Elektrichestvo, Moscow, No 1, 1972,

pp 56-60.

JPRS 58892

May 73

Il'in, V. D.

*Comparing algorithms for load distribution with the
consideration of changes in the state of a power
system when solving a problem.*

ELEKTRICHESSTVO, No 9, 1972, pp 7-10

FTD-85-23-472-73

may 73

Napier, D. A.

Electrical characteristics of transformers oil-barrier
insulation subjected to a direct voltage

ELECTRICHESIVO, 1. 9, 1972, pp. 45-46

HTC 72-13013-090

Fuznetsova, L. F.

Air insulation on extra high voltage lines (Some
results and trends of future investigations
ELEKTROTEKHNIKA, n. 10, 1972, pp. 13-16

NTC 73-1300-000

...nov, N. F. et al.
Possibilities of Reducing the losses in 220-750 kV
Transmission Lines by Regulating the Operating
Voltage, taking into Account the Effect of Corona
ELEKTROTEKHNIKA, vol. 93, no. 11, Nov. 1972, pp. 1-6
C. E. Trans-8265

UNKNOWN
//ELEKTRICHESTVO//
---/---/1973, V-----, N-----,
Electric Technology USSR,
C/C translation being done by Pergamon Press Ltd.
and supplied approx. 12 months after Russian
Journal is published. Per 10 May 1974 letter@@
A Quarterly

REQ TR CHECK

10-07-73

TO11

NEW METHODS OF OBTAINING ELECTRICAL ENERGY
LIDORIENKO, N.S.

UR: ELEKTRICHESTVO, NO. 1, 1973, pp. 1-5

*c/o Paganon Press**Press in a**1574-23-0011*

REQ TR CHECK

50411-73

TB54

POWER CHARACTERISTICS OF A SYNCHRONOUS SHOCK
GENERATOR UNDER ACTIVE LOADING

SIPAYLOV, G.A.; LOOS, A.v:

UR: ELEKTRICHESTVO, No. 4, 1973, pp. 78-80

etc f. ...
*...**On Review as*
FTD-ATC 23-1152-74
#31, 1973

REQ TR CHECK

30-11-73

TB55

100 KW AC GENERATOR WITH SUPERCONDUCTING
INDUCTOR

VESELOVSKIY, A.S. / VOROB'YEV, V.F.

UR: ELEKTRICHESSTVO, NO. 5, 1973, PP. 28-32

Ch. P. Vessan
*for agent**On Process*
FTD-HT-23-1153-74
#3, 1973

Burgdorf, W. V. 67-81

Investigating the voltage at which corona occurs in
EV structures with semiconducting coatings

TECHNICAL vol. 9, no. 5, 1973, pp. 56-58

C. E. TRANS. 6-01

REQ TR CHECK

30-14-73

TB56

INVESTIGATION OF THE STATOR FIELD OF A ROD-
TYPE ELECTROSTATIC GENERATOR

GUK, I.P.; PATSEVICH, V.V.

UR: ELEKTRICHESTVO, NO. 5, 1973, pp. 54-62

G/c [unclear] Pres
[unclear]

On Process as
FTD-HT-23-1154-74
#3, 1973

REQ TR CHECK: 7-08-73 T206

VOLT-SECOND CHARACTERISTICS OF ELECTRICAL
GAPS IN DIELECTRIC
BORON, V.N.

U.S. ELECTRICITY, NO. 5, 1973, pp. 62-67

C/E Plenum Press

Proven in use

1.574-23-0206

REQ. TR CHECK

7-08-73

T207

INVESTIGATION OF THE ELECTRICAL INSULATION
AND THERMAL CHARACTERISTICS OF HIGH VOLTAGE
BORTNIK, I.M.; BORISOGLEBSKIY, V.P.
UR: ELEKTRICHESTVO, NO. 5, 1961, pp. 74-75
ok Penun fres

*Process in as**1574-23-0207*

BURKHIN, G. M.
//ELEKTRICHESVO//

--/06/1973, V-----, #0008,

An investigation of the processes in super-
excitation of a synchronous generator with a
brushless excitation system, 14 pp.

PP 26-40, AIR/FTD-HT-83-1161-74

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COPYRIGHT INFORMATION. OTHER REQUEST MUST BE
REFERRED TO FTD#

BERTINOV, A. I.

//ELEKTRICHESTVO//

--/07/1973, V-----, N-----,

Calculating main dimensions of a magnetoelastic
gate generator operating on a pulsed load, 11 pp,
FP 42-46, AIR/PTD-HT-23-1166-74

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COPYRIGHT INFORMATION, OTHER REQUEST MUST BE
REFERRED TO FTDA#

Stahn, A.

The Selection of Ultrahigh-speed Fuses for
Protecting Thyristors.

Elektrik, No. 3, 1968, pp.108-110.

FSIC-IT-11-1662-72

5

Burkhard, G

The relationship between the initial dwell and travel
of switching arcs and their cathode mechanism

ELEKTRIE, Vol 24, No 1, pp. 1-4 (Jan. 1970)

C.E. Trans 6108

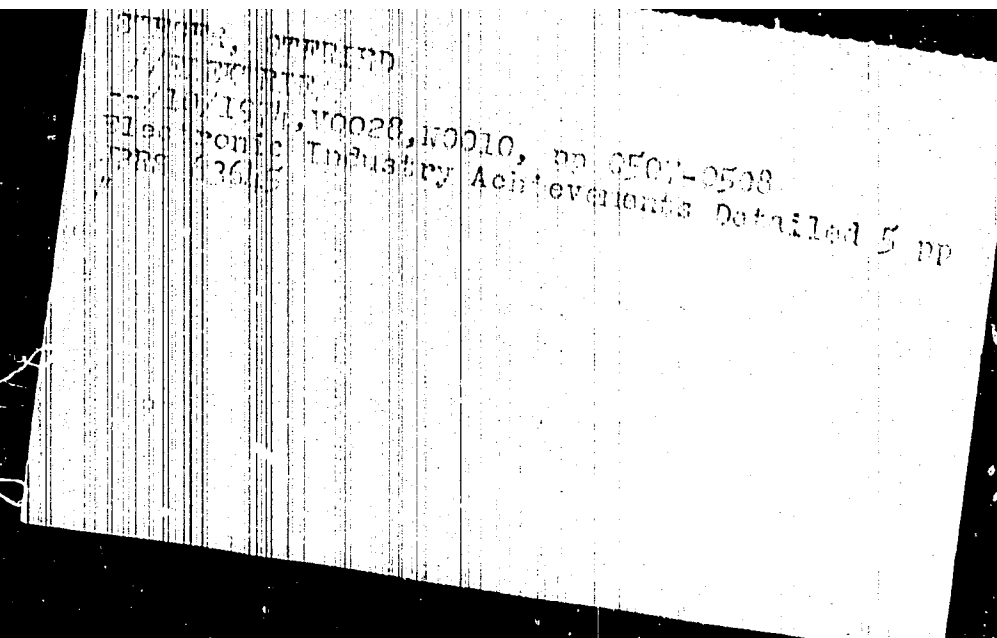
...er, M. et al.
Using an EDP Installation in the Planning of Power
Supply Systems for Industry
ELECTRIC, vol. 26, no. 7, July, 1972, pp. 188-190
C. I. Trans-6120

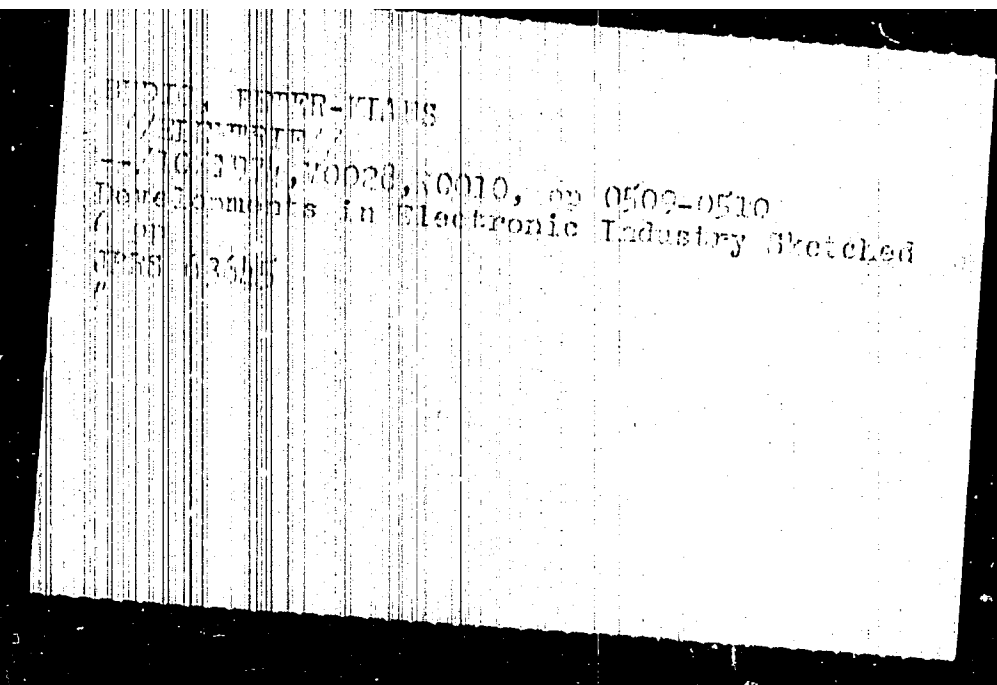
Steenbeck, Max

Energy Development Policies Discussed, 5 pp.
ELEKTRE, East Berlin, No 1, 1974, pp 6-7.

JPRS 61468

Apr 74





SCHEER, W.

//AIR CONDITIONING//

77/10/1960, W0035, H-1-1-

The Air Conditioning of Underground Power Stations,

pp 373-380, C. E. Trans. 64167

R. ALLEMANN

Dimensioning of Electric Central Heating Systems
With Particular Reference to Daytime Boost.

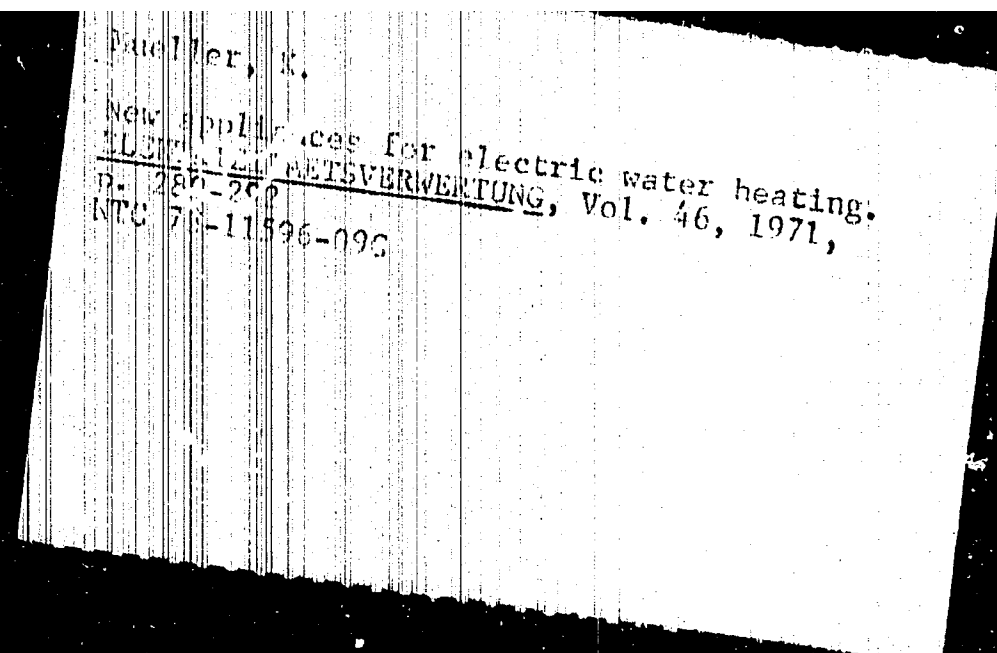
ELEKTRIZITAETSVERWERTUNG, Vol 46, No 7,

pp 185-189, 1971

NTC 73-10255-13A

Ma 73

Illano, P.
Hot water central heating systems based on
storage radiators.
ELEKTROTECHNISCHER WERKSTATT, Vol. 46, 1971,
p. 221-226
NLC 73-11267-13A



Stein, D.

Developments in the utilization of wind power in
Denmark

FAHRZEUGE WIRTSCHAFT, vol. 41, 15th, 20th, 5th,
Aug.-Sept. 1942, pp. 311-349

WASA LT 1-17,333

Part II
Developments in the utilization of wind power in
Denmark
EISNER, I. A. SWITZERLAND, vol. 41, Aug. 20, 1942,
pp. 370-371
NYA 11 F-15,349

Development's in the utilization of wind power in
Denmark
DIE KUNFTZITZTSWIRTSCHAFT, vol. 41, Sept. 5, 1942,
pp. 306-307
NARA REF ID: A6358

Porze, E.

New wind power station

ENERGIZITIA SWITZERLAND, vol. 42, no. 14, Nov. 5, 1943

pp. 350-368

KLARA IT. F. 15,330

Statistics of the power production of wind power
plants and their evaluation 13/11
ENERGIZITATE WINDURAT vol. 90, no. 10, Oct. 1951,
pp. 279-285
NASA TT F 15,651

Statistics of the Power Production of Wind Power Plant
and their evaluation in
ELECTRICITY TECHNOLOGY

1971, pp. 325-329 vol. 50, no. 10, Nov.

(NASA TT F

15,652

Annual availability and speed characteristics of the
VLAC for W.C. power distribution
ELEKTROTECHNISCHE ZEITUNG, Vol. 54, no. 20, Oct. 1955,
pp. 76-78
KIASA T F-15,354

Christaller, H.

Utilization of Wind Power
ELEKTIZITÄTSWIRTSCHAFT, vol. 50, no. 11, Nov. 1951,

pp. 320-322

NASA TT F-15,309

Mackenthun, Warner

The Newer Wind-Power Plant

ELEKTRIZITÄTSWIRTSCHAFT, vol. 50, no. 1, November 1951,

pp. 322-25

NASA TT F-15,806

Hermann, C.

Completely Metalclad 220-kV Switchgear (SF₆) at
Mannheim Power Station

ELEKTIZITÄTSSWIRTSCHAFT, v. 70, n. 15, 1971, pp.

1811/96

NTC 73-12405-000

NLL 9002.00 (580')

Oehme, K. J.

State of the art and prospects for electric vehicles.
ELEKTROTRANSPORTWIRTSCHAFT, Vol 10, 10 Aug 1971, pp 511-518
O.A. Erms 1950

Erlich, H.

Security of power supply and associated costs
for intermediate voltage networks.

ELEKTRIKALANLAGEWIRTSCHAFT, Vol. 70, 1971,

p. 525-532

NFC 71-11508-09C

HARRIS, A.

Analysis and short-term forecasting of consumption and demand in a regional supply undertaking
ELEKTROIZITSETSWIRTSCHAFT, Vol. 70, 1971,
p. 552-560
NTC 73-11597-29C

Soldner, K.

A New Gas Analyser for the Buchholz Relays
of Transformers

ELEKTRIZITATSWIRTSCHAFT, Vol 70, No 22, Oct 1971
pp 638-643

C.E. Trans 5969

Schulte, G.

Problems in the evaluation of costs incurred due
to electricity supply failures.
ELEKTRIZITÄTSWIRTSCHAFT, v. 70, p. 656-661, 1971.
NTC 73-11027-09C

Kretzberg, J.

Load Diagrams and their Development Trends - an
Indicator for Supply Undertaking Management
ELEKTIZITÄTSWIRTSCHAFT, v. 70, n. 25, 1971,

pp. 700-713

WTC 75-12407-090

NLL 6106.2 (766)

Basic Consideration concerning pricing Structure for
providing MSU Customers with Supplementary, Parallel
and Steady Supplies
ELEKTROIZITELSWIRTSCHAFT, v. 71, n. 1, 1972, pp. 8-12
WFO 73-12005-090
NHL 6106.3 (774)

Kump, D.

Experience with a High Frequency Earth Testing
Instrument

ELEKTROTECHNISCHES WIRTSCHAFTS, v. 71, n. 2, 1972, pp.

10-50

NTC 73-12100-000

NIL 3210 00 (100)

PROTHINIZER, J.

//EIKVIZIATSWIKISCHATT//

--/1/1972, 0071, N-1112

Informative Trip of the Ice-Expert Team for
Power Stations Through Greece,

PL 12-76, NT 74-11386-0000

ESB 519

Miles, H.

Work on live overhead lines.

ELEKTRIZITAETSWIRTSCHAFT, v. 71, n. 4, p. 100-105,
1972.

NTC 73-11028-09C

G. Heinrich

Application of Small Computers with Modular Peripherals
(GAMAC) in Power System Operation.

ELEKTIZITÄT WIRTSCHAFT, Vol. 71, pp 313-316, 23 May 72.

BPA trans 29137

apr 73

IDENTITY
//EDFURLEZTAESEWIRKICHT//
--/--/1977.70071.N.1111
Experience with Rapid Cycling in Large Steam Turbines,
PP 704-708, 710 71-11888-13888

REPLY/EXIA, P.
//ELECTRICITY/18/80/11/11//
11/11/1971, 10071, 11111
Actual Experience with an Electronic Voltage Stabil-
izer for Installation in the Power Distribution
System,
DE 1801101, NYC 74-1135-09086

11/11/1971, 10071, 10028.
//RECEIVED AUTOWIRE UNIT//
11/11/1971, 10071, 10028.
Powerline System Types For Municipal 10 kV and
110 kV Networks.
10 025-635, DTC 74-11175-09030
O. N. 846

WALSER, G.

//DIETRIK HAETSWERTSCHAFT//

---/---/1978, V00071, N---

Cable Topic: at the International High
Voltage Conference,

IN 77-777, REC 7-11384-09000

C.S. 0233

Boop, B.

Ring-main transformer sub-stations with electronic over-
current zone protection.

ELEKTIZIATSIJINSKIY Vol 78, No 4, 19 Feb 1975,

pp 88-92

O. A. trans 865

Dent, H.

Protection of power transformers against corrosion.

ELEKTRIZATSWIRTSCHAFT, Vol 72, No 8, 1973 pp 206-215

G.E. Price 8339

B107, E.

//ELKRIEITLATESWIRISCE/IT//

--/--/1973, 70072, No. 15,

Synopsis. Rational Use of Energy-Why, Where
and How?

ED 407-506, ETC 74-10594-09000

n, A, Trans 830

Datagram, 7.

Medium-term prospects for all-electric supply, taking
market conditions into account

ELEKTROIZITATIONSWIRTSCHAFT, vol. 72, no. 24, 1973,

pp. 273-280

O. A. Trane 888